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From the INTERNATIONAL SEARCHING AUTHOR	ORITY		REC'D 17"MAR 2005		
To:			PCT		
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see form PCT/ISA/220	•	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 <i>bis</i> .1)			
		Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)			
Applicant's or agent's file reference see form PCT/ISA/220		FOR FURTHER ACTION See paragraph 2 below			
International application No. PCT/IB2004/050746	International filing date (d 19.05.2004	Priority date (day/month/year)			
International Patent Classification (IPC) or both national classification and IPC B22C19/00					
Applicant DISA INDUSTRIES AS					
This opinion contains indication	ons relating to the follo	wing items:			
☑ Box No. I Basis of the op	inion				
☐ Box No. II Priority					
 ☐ Box No. III Non-establish ☐ Box No. IV Lack of unity or 	· · · · · · · · · · · · · · · · · · ·	ra to noverty, inventive	e step and industrial applicability		
☑ Box No. V Reasoned state		1(a)(i) with regard to r	novelty, inventive step or industrial		
☐ Box No. VI Certain docum	-	., 0			
☑ Box No. VII Certain defects	in the international appl	ication			
☐ Box No. VIII Certain observ	ations on the internationa	al application			
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see Form PC	T/ISA/220.				
3. For further details, see notes to F	3. For further details, see notes to Form PCT/ISA/220.				
Name and mailing address of the ISA:		Authorized Officer			

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/050746

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_	Во	x N	o. I Basis of the opinion		
1.	 With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 				
		lar	his opinion has been established on the basis of a translation from the original language into the following nguage , which is the language of a translation furnished for the purposes of international search and results 12.3 and 23.1(b)).		
2.	2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
	a. type of material:				
			a sequence listing		
			table(s) related to the sequence listing		
	b. format of material:				
			in written format		
			in computer readable form		
	c. t	ime	of filing/furnishing:		
			contained in the international application as filed.		
			filed together with the international application in computer readable form.		
			furnished subsequently to this Authority for the purposes of search.		
3.		ha: co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto is been filed or furnished, the required statements that the information in the subsequent or additional bies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.		
4.	Additional comments:				

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/050746

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-10

No:

Claims

1-10

Inventive step (IS)

Yes: Claims No: Claims

Industrial applicability (IA)

Yes: Claims

1-10

No: Claims

2. Citations and explanations

see separate sheet

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/IB2004/050746

Re Item V.

1.)

Reference is made to the following documents:

D1: US 3 601 161 A (ERWIN BUHRER ET AL) 24 August 1971 (1971-08-24)

2.) Novelty and inventive step:

Document D1, which is considered to represent the most relevant state of the art, discloses an apparatus, where the sand distribution to a moulding box is controlled by moving an intermediate container horizontally underneath a sand supplying conveyor.

Means for controlling the belt conveyor speed according to a speed profile providing varying trajectories is not in the prior art, therefore the subject-matter of claim 1 is novel (Article 33(2) PCT)

a.)

The sand distribution in the flask is improved and not derivable from the teaching of the prior art, therefore claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT).

b.)

Claims 2-6 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

c.)

The subject-matter of claim 7 involves the method for using the apparatus of claim 1 and is also not known from the prior art. Therefore also this claim is new and involves an inventive step als set out under 1.) to 4.)

d.)

Claims 8-10 are dependent on claim 7 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

3.)

Industrially applicable:

Since the invention is used in apparatuses for the casting it is clearly industrially applicable.

Re Item VII.

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.

Form PCT/ISA/237 (Separate Sheet) (Sheet 1) (EPO-January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/IB2004/050746

Form PCT/ISA/237 (Separate Sheet) (Sheet 2) (EPO-January 2004)